

## **HIGH DENSITY REAGENT ARRAY PREPARATION METHODS**

### **ABSTRACT OF THE DISCLOSURE**

This invention provides reagent array chips having, e.g., reagents spotted at a high density onto self-assembled monolayers (SAMs) for consistent and high recovery. The invention teaches, e.g., methods to make and use reagent array chips to screen for protease substrates. Identified substrates can, e.g., then be used to screen for modulators of the protease activity and to establish quantitative assays for the protease.